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	STATEMENT		39750-0001A		09//990,421				
P	PTO-1449		APPLICANT : Daniel A. ERLANSON et al.						
			FILING DATE: Novemb	ber 21, 2001	GROUP: 10	539			
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16	WO 00/00823	1/6/2000	PCT	GOIN	33/53				
<u></u>					<u> </u>				
			(Including Author, Title, Date						
-1/4			the two amino-terminal domain n LFA-1 integrin ligand", Proc.						
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Berman, H. M., et	al., "The Prot	ein Data Bank", Nucleic Acids	Research, Vol.	28, No. 1, pp 23	35-242, 2	000.		
			t prediction and visulatization o gns, Vol. 14, pp 383-401, 2000		g pockets with I	PASS", J	ournal of		
	Bravo, Jerónimo, e No 6, pp. 1665-16		structure of a cytokine-binding	region of gp 13	0", The Embo J	ournal, V	/ol. 17,		
			ctural basis for specificity of su Biology, Vol. 1, pp 438-443, N			s for cycl	in -		
	1996.		Spectrometry", Analytical Chem						
	Cerretti, Douglas F pp 97-100, April 1		lecular Cloning of the Interleuk	kin-1β Converti	ng Enzyme", Sc	ience, Vo	ol. 356,		
	Cha, Sun-Shin, et a	al., "Crystal St	ructure of TRAIL-DR5 Completion Specificity", J Biol. Chem.,	ex Identifies a C	Critical Role of t	he Uniqu	ie Frame		
	Cha, Sun-Shin, et a	al., "2.8 Å Res	olution Crystal Structure of Hu	ıman TRAIL, a	Cytokine with S	elective			
			Vol. 11, No 2, pp 253-261, Augusture of gp41 from the HIV Er		rotein", Cell, Vo	ol. 89, No	o. 2, pp		
	263-273, April 199		al structure of the HIV-1 integr	race catalytic co	re and Catermin	al domai	nc: A		
	model for viral DN	NA binding", P	NAS USA, Vol. 97, No. 15, pp	s 8233-8238, Jul	ly 2000.				
P	Chothia, Cyrus, "T	he Nature of the	he Accessible and Buried Surfa	aces in Proteins'			. 105, pp		
EXAMINER		_	DATE CONSIDERED	. //	1/24	705			

								
INFORM	MATION DISCLO	ACITOR	ATTY. DOCKET NO.:		SERIAL NO	Э.:		
INTOR	STATEMENT	JOURE	39750-0001A	_	09//990,421			
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INITIALS						YES	NO	
, 								
	OTHER D	OCUMENTS	(Including Author, Title, Date,	Pertinent Pa	ages. Etc.)			
JE	Chow, Dar Chone, Vol. 291, pp 2150-	et al., "Structu	ure of an Extracellular gp130 Cyto	okine Recept	or Signaling Co	mplex", S	Science,	
,	Chu, Yen Ho, et al	, " Affinity Ca	pillary Electrophoresis-Mass Spe	ctrometry for	Screening Con	nbinatoria	il	
	Clackson, Tim, et	Chem. Soc., v al., "A High S ₁	Vol. 118; pp 7827-7835, 1996. pot of Binding Energy in Hormon	e-Receptor I	nterface". Scien	ce. Vol. 2	267. pp	
	383-386, January 1	1995.			· · · · · · · · · · · · · · · · · · ·		.,,	
			cutioner of apoptosis", Biochem. J Accessible Surfaces of Proteins an			Val 221	No	
	4612, pp 709-713,	1983.			_	,	•	
	structural hypothes	sis that displays	tive model building of interleukin is atypical surface chemistry in he					
	Protein Science, Vo Creamer, Trevor P. 16245-16250, 1995	., et al, "Model	ling Unfolded States if Peptides a	nd Proteins",	Biochemistry, '	Vol. 34, j	p	
	1		Structures and Molecular Princip	les, W.H. Fre	eeman & Co, N.	Y., pp 23	9-245,	
		n C. et al., "Co	emparison of a Structural and a Fu	inctional Epit	tope", J. Mol. B	iol., Vol.	234, pp	
	Scanning Mutagen	esis", Science,	igh-Resolution Epitope Mapping (, Vol. 244, pages 1081-1085, June	1989.	-	•		
	Davies, Gregg, et a Rabbit Muscle Priv	II, "Use of a Di	iimidoester Cross-Linking Reager Canadian J. Biochem., Vol. 50, pp	nt to Examin	e the Subunit St	ructure of	fa	
	Dessen, Andrea, et	al., "Crystal S	Structure of Human Cytosolic Pho. 97, pp 349-360, April 1999.			/el Topol	ogy and	
EXAMINER	lab		DATE CONSIDERED	1/2	1/03			

INFORMATION DISCLOSURE STATEMENT PTO-1449		ATTY. DOCKET NO.: 39750-0001A O9//990,421 APPLICANT: Daniel A. ERLANSON et al. FILING DATE: November 21, 2001 GROUP: 1639						
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	 				<u> </u>	YES	. NO	
			(Including Author, Title, Date,				· · - · · · · · · · · · · · · · · ·	
DI	Di Marco, Stefani 10, pp 7152-7157,		ition of the Hepatitis C Virus NS	3/4A Proteas	e ", J. Biol Cher	n, Vol. 2	75, No	
}	Duncan, Bruce S., pp 219-229, 1993.		ximation and Characterization of	Molecular S	urfaces", Biopol	ymers, V	ol. 33,	
	No. 29, pp 17595-	17605, 1989.	cture of Tumor Necrosis Factor-o		•	-	•	
	Ede, Nicholas J., 6 Solid Phase Synth	et al., "A Simp lesis by the Mu	le Linker for the Attachment of A altipin TM Method", Tetrahedron I	Aldehydes to t Letters, Vol. 3	the Solid Phase. 38, No. 40, pp 7	Applicat 119-7122	ion to , 1997.	
	Eigenbrot, Charles Activation", Struc		Factor VII Zymogen Structure Re p 627-636, 2001.	veals Registr	ation of β Strand	ls during	_	
	Ettmayer, P. et al, of Grb2 ¹ ", J. Med.	"Structural an .Chem., Vol. 4	d Conformational Requirements 12, No 6, pp 971-980, 1999.	for High-Affi	nity Binding to	the SH2	Domain	
			mensional structures of the cyste active site characteristics", Protein					
			lvent Structure in Crystals of Try Function and Genetics, Vol. 12,			nd Neutr	on	
		l, et al. "Bioch	emical mass spectrometry: wort			iology, \	/ol. 3, pp	
		et al., "Crysta	Structure of the Human High-A	ffinity IgE Re	eceptor", Cell, V	ol. 95, p	p 951-	
EXAMINER	Va /		DATE CONSIDERED	1/24	105			

PTO-1449		ATTY. DOCKET NO.: 39750-0001A 09//990,421 APPLICANT: Daniel A. ERLANSON et al. FILING DATE: November 21, 2001 GROUP: 1639						
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INITIALS						YES	NO	
			c					
¢	OTHER D	OCUMENTS	(Including Author, Title, Date	, Pertinent Pa	ages, Etc.)			
DE			re of the Fc fragment of human 1 259-266, July 1998.	IgE bound to i	ts high-affinity	receptor		
			Binding Conformation of the 'El colution", Vol. 38, pp 361-367, 2		L-8: X-Ray Str	acture of	the	
	Grubbs, Robert H. Res., Vol. 28, pp.		Closing Metathesis and Related	Processes in C	rganic Synthesi	s", Acc. (Chem.	
			tructure of the Interleukin-4/Rec pp 271-281, 1999.	ceptor α Chain	Complex Reve	als a Mos	aic	
	Hobohm, Uwe, et	al, "Selection o	of representative protein data set	s", Protein Sci	ence, Vol. 1, pp	409-417	, 1992	
	Hong, Lin, et al., " Science, Vol. 290,		e Protease Domain of Memapsin october 2000.	n 2 (β-Secretas	se) Complexed v	with Inhib	oitor",	
			que Zinc-Binding Site Revealed		solution X-ray S	tructure	of	
,			Biochemistry, Vol. 39, pp 633-64 and Dimerization of a Soluble F		Immunity, Vol.	12, pp 5	1-60,	
			tructure of an extracellular fragr	nent of human	CD40 ligand",	Structure	, Vol. 3,	
d			of the MDM2 Oncoprotein Bour e, Vol. 274, pp 948-953, Novem		Turnor Suppress	or		
EXAMINER	lab		DATE CONSIDERED	1/24	15			

f				-				
INFORM	AATION DISCLO	SURE	ATTY. DOCKET NO.:		SERIAL NO.:			
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		U.	S. PATENT DOCUMENTS					
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INITIALS						YES	NO	
	OTHER DO	CUMENTS	(Including Author, Title, Date,	Pertinent Pa	iges, Etc.)	·		
, D.T.	Lee, B. et al., "The pp 379-400, 1971.	Interpretation	of Protein Structures: Estimation	of Static Ac	cessibility", J M	lol. Biol.,	Vol. 55,	
	Liang, Jun, et al., " Crystallographica	Refined structs Section D, D55	ure of the FKBP12-rapamycin-FF 5, pp 736-744, 1999.	B ternary co	mplex at 2.2 Å	resolutio	n", Acta	
	Loo, Joseph A., et Ligands from Com	al., "Chapter 3 binatorial Libr	2: Application of Mass Spectrom aries", Annual Reports in Medici	etry for Char nal Chemistr	acterizing and I y, Vol. 31, pp 3	dentifyin 19-325, 1	g .996.	
	Lubowski, Jacek, e quaternary interact	t al., "The Struions", Nature S	acture of MCP-1 in two crystal fo Structural Biology", Vol. 4, No. 1	rms provides , pp 64-69, Ja	a rare example anuary 1997.	of variab	le	
	Maignan, Sébasteir April 1995.	ı, et al, "Crysta	al Structure of the Mammalian Gr	b2 Adaptor"	, Science, Vol. 2	268, pp 29	91-293,	
	Maignan, Sébasteir with its Metal Cod Vol. 282, pp 359-6	factor: High Le	al Structures of the Catalytic Dorevel of Similarity of the Active Si	nain of HIV- ite with Othe	1 Integrase Free r Viral Integrase	and Cones", J. Mo	nplexed l. Biol.,	
	March, Jerry, "Adv York, 4th Edition, 1269, 392, 1264, 1	pp. 898 - 900, 1	Chemistry: Reactions, Mechanis 276, 904-906, 1275, 1299, 892, 2.	sms and Struc 1280, 1296,	cture:, John Wil 1297, 1284, 128	ey & Son 15, 1281,	s, New 368,	
0			acture of the catalytic domain of l 8-3412, March 1998.	numan tumor	necrosis factor	-α-conve	rting	
EXAMINER	Tah		DATE CONSIDERED	(/24)	15			

INFORM EXAMINER'S INITIALS	MATION DISCLO STATEMENT PTO-1449 PATENT NO.		ATTY. DOCKET NO.: 39750-0001A APPLICANT: Daniel A. I FILING DATE: November S. PATENT DOCUMENTS NAME	er 21, 2001	SERIAL NO 09//990,421 ON et al. GROUP: 10	639		
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			(Including Author, Title, Date,					
JE	Matthews, D.A., et rhinovirus 3C prote Vol. 96, pp 11000-	tease with poter	e-assisted a design of mechanism- ent antiviral activity against multip mber 1999.	based irrevers	sible inhibitors of serotypes", Pro	of human oc Natl. S	ci. USA,	
	Structural Biology,	, Vol. 4, No. 2,	al structure of human cathepsin K , pp 105-109, February 1997.		-			
	human interleukin-	-5 Nature, Vol.	ovel dimer configuration revealed . 363, pp 172-176, 1993.					
	Mittl. Peer R.E., et Val-Ala-Asp Fluor	al, "Structure	of Recombinant Human CPP32 i ne", J. Biol. Chem., Vol. 272, No.	in Complex w	rith the Tetraper	tide Ace	tyl-Asp-	
		t al., "Palladium	n-Catalyzed Cross-Coupling Read				Jhem.	
	Mohammadi, Moo	sa, et al., "Stru	acture of the FGF Receptor Tyros ll, Vol. 86, pp 577-587, August 19		omain Reveals a	Novel		
	Molteni, Valentina integrase catalytic o 544, 2001.	a, et al., "Identi domain", Acta	ification of a small-molecule bind a Crystallographica Section D, Bio	ding site at the iologlical Crys	stallography, Vo	ol. 57, pp	536-	
	Replacement Using 372, 1995.	g X-ray and Nu	Interleukin-4 and Variant R88Q: I uclear Magnetic Resonance Mode	lels", J. Mol. E	Biol., Vol. 247, N	No. 2, pp	360-	
	Muller, Yves A., et 1.7 Å Resolution",	t al, " The Crys J. Mol. Biol.,	stal Structure of the Extracellular Vol. 256, No 1, pp 144-159, 1996	Domain of H	luman Tissue Fa	ctor Refi	ned to	
<i>V</i>		al., "Molecular	r basis for CD40 signaling media		3", Proc. Natl. A	cad, Sci	USA,	
EXAMINER	V, 5		DATE CONSIDERED	1/24	170			

INFOR	INFORMATION DISCLOSURE STATEMENT		ATTY. DOCKET NO.: 39750-0001A APPLICANT: Daniel A	EDI ANCO	SERIAL NO 09//990,421	D.:		
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INITIALS						YES	NO	
	OTHER DO	CUMENTS	(Including Author, Title, Dat	te, Pertinent Pa	ages, Etc.)			
76	Nicholls, Anthony, Properties of Hydro	et al, " Protein ocarbons", Pro	n Folding and Association: Institution, Vol. 11, pages 281-296,	ights From the 1 1991.	Interfacial and T	hermody	namic	
j	Okamoto, Yoshino structure Activity I Vol. 47, No. 1, pp	Relationships a	tide Based Interleukin-1 β Convand Crystallographic Study of to 1999.	verting Enzyme the ICE-inhibito	(ICE) Inhibitors r Complex", Cl	s: Synthe hem. Pha	sis, rm. Bull.	
	Oikonomakos, NG Structure, Vol. 8, p	, et al, "A new	allosteric site in glycogen pho	sphorylase b as	a target for drug	g interact	ions",	
	Parlow, et al,"Disc	overy of a herl	bicidal lead using polymer-bou	nd activated est	ers in generating	g a comb	inatorial	
	Pátek, Marcel, et a	l., "Solid-Phas	ecular Diversity, Vol. 1, pp 26 e Synthesis of 'Small' Organic	6-269, 1995. Molecules Base	d on Thiazolidi	ne Scaffo	ıld",	
	Tetrahedron Letter	s, Vol. 36, No.	. 13, pp 2227-2230, 1995. -tryptase is a ring-like tetramen				•	
	Vol. 392, pp 306-3	11, March 199	98.	with active sit	es racing a centr	al pore,	Nature,	
	Plotnikov, Alexand Ligand-Receptor S	ler N., et al, "C pecificity", Ce	Crystal Structures of Two FGH- ll, Vol. 101, pp 413-424, May	-FGFR Comple 2000.	xes Reveal the I	Determin	ants of	
	pp 641-650, Septer	nber 1999.	Structural Basis for FGF Rece	•		•		
	Plotnikov, Alexand	ler N., et al., "	Crystal Structure of Fibroblast , J. Biol. Chem., Vol. 276, No	Growth Factor	9 Reveals Region	ons Impli	cated in	
1	Qin, Hongxu, et al.	, " Structural b	pasis of procaspase-9 recruitme	ent by the apopto	otic protease-act	ivating f	actor 1",	
	Nature, Vol. 399, p Qu, Aidong, et al.,		ne 1999. Ture of the I-domain from the C	D11a/CD18 (I.	FA-1. α, β2) int	egrin" P	roc.	
· ·	Natl Acad. Sci. US	SA, Vol. 92, N	o. 22, pp 10277-10281, Octobe	er 1995.				
EXAMINER	116		DATE CONSIDERED	i/.k	4/45			

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INFORM	MATION DISCLO	OSURE	ATTY. DOCKET NO.:		SERIAL NO) .:	
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		U,	S. PATENT DOCUMENTS			•	
EXAMINER'S INITIALS	PATENT NO.	DATE	NAME .	CLASS	SUBCLASS	FILIN	G DATE
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INITIALS						YES	NO
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
-JE	Rahuel, Joseph, et Mol Biol, Vol. 279	al, "Structural 9, pp 1013-102	basis for the high affinity of amir 2, 1998.	no-aromatic S	SH2 phosphoper	_	-
	99, 1962.		ochemistry of polypeptide chain	•	•		••
	1968.		formation of polypeptides and pro				-
			accessible surface area and excluding ications for the hydrophobic effections.				
	Shiau, Andrew K.,	et al, "The stru	actural basis of estrogen receptor/	coactivator r	ecognition and t	he antage	onism of
		Environment a	and Exposure to Solvent of Protei		sozyme and Insi	ılin", J. N	Iol.
	Vol. 91, pp 11290-	-11297, 1994.	of mass spectrometry in biochemic		-		·
	dimerization and s	ignaling", The	rystal structure of interleukin 6: i EMBO Journal, Vol. 16, No 5, pp	989-997, 19	997.	•	
	Influenza Virus Sia	alidases. 2. Ci	yrancarboxamides Related to Zan ystallographic and Molecular Mo ase from Influenza Virus Types A	deling Study	of Complexes	of 4-amir	no-4 <i>H</i> -
	Thornburry, Nancy in monocytes", Na		novel heterodimeric cysteine prote pp 768-774, 1992.	ease is requir	ed for interleuki	n-1β pro	cessing
V	Tong, Liang, et al,	"Crystal Struc	tures of the Human p56 ^{lck} SH2 Do and 1.8 Å Resolution", J. Mol. B	omain in Cor iol., Vol. 256	nplex with Two	Short 610, 199	 6.
EXAMINER	lah		DATE CONSIDERED	1/24	/5		

INFORM	ATION DISCLO	OSURE	ATTY. DOCKET NO.:		SERIAL NO). :	
	STATEMENT		39750-0001A		09//990,421		
	PTO-1449		APPLICANT : Daniel A. 1	ERLANSO	N et al.		
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INITIALS			·			YES	NO
	OTHER D	OCUMENTS	(Including Author, Title, Date,	Pertinent Pa	ages, Etc.)		
FR			of the human anti-apoptotic prote 7, No 7, pp 602-608, July 2000.	in surviving 1	reveals a dimerio	e arrange	ment",
			Crystal Structure of a Small Antag 5, No. 47, pp 36927-36933, 2000		e Bound to Inter	leukin-1	Receptor
	Wang, Zhulun, et a Acad. Sci., Vol. 94		ure of mitogen-activated protein 2, March 1997.	kinase p38 at	2.1-Å resolution	n", Proc.	Natl.
			vstal Structure at 1.7 Å Resolution o 695-704, November 1997.	of VEGF in	Complex with	Domain 2	of the
		P., et al., "Ator	nic structure of progesterone com	plexed with	its receptor", Na	ture, Vol	. 393, pp
	Wu, Jiangye, et al,	"Quantitative	electrospray mass spectrometry for 653-657, September 1997.	for the rapid a	assay of enzyme	inhibito	s",
			uctural analysis of mutant CD4 re USA, Vol. 93, pages 15030-1503			H IV gp1	20
	Xu, W. et al, "Cryst Vol. 3, pp 629-638		of c-Src Reveal Features of Its A	utoinhibitory	Mechanism", N	/olecular	Cell,
	Science, Vol. 288,	pp 1822-1825	ucture of PDE4: Insights into Photo, June 2000.	-		-	•
	410, pp 494-497, l	March 2001.	revealed by the crystal structure				
	Yao, Nanhua, et al 4, No. 6., pp 463-4		f the hepatitis C virus RNA helica	ase domain",	Nature Structur	al Biolog	y, Vol.
· · · · · · · · · · · · · · · · · · ·	Ye, Hong, et al, "T Vol. A pp 321-330	The Structural	Basis for the Recognition of Dive	rse Receptor	Sequences by T	RAF2M	ol", Cell,
EXAMINER	1/4/2		DATE CONSIDERED	1/24	15	-	